

Applicant : Takashima Mitsuru
Serial No. : 10/018,676
Filed : December 24, 2002
Page 8

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Canceled)
2. (Currently Amended) A biomedical information collection apparatus, comprising:
(a) a plurality of closed compartments cabinets, spaced apart and made of an airtight metal, rubber, plastics, wood or a like flexible material having air-tightness and placed at positions spaced away from each other, each of said the closed compartments cabinets having a variable internal volume; a spring member placed in inside of each of the interior of said the closed compartments cabinets;
(b) a plurality of closed air type sound sensor formed from sensors each including either a non-directional microphone, or a pressure sensor, the closed airtight type sound sensors being connected to respective closed compartments
for detecting and converting an air pressure in each of said the closed compartments cabinets into an electric signal; and
(c) a plate-shaped member placed on said the plurality of closed compartments cabinets; of the plurality of closed air type sound sensors, wherein the air pressures in said the closed compartments cabinets when a human body living organism is placed on said the plate-shaped member placed on the plurality of closed compartments cabinets in a pertaining shape directly or with bedclothes or the like interposed there between while air remains in said the closed compartments cabinets of the closed air type sound sensors being detected by the their respective non-directional microphones or/and and the pressure sensors to measure biomedical information such as the including breath, the

Applicant : Takashima Mitsuru
Serial No. : 10/018,676
Filed : December 24, 2002
Page 9

heart rate (~~cardiac cycle~~), or and body movements including a cough or and a snore of the ~~human body~~ living organism.

3. (Currently Amended). A The biomedical information collection apparatus according to claim 2, wherein said the non-directional ~~microphone or/and microphones and~~ pressure sensor ~~for detecting and converting an air pressure in each of said closed cabinets into an electric signal uses a closed air type sound sensor~~ sensors are mounted in inside of each of the interior of said respective closed compartments cabinets.

4. (Currently Amended) A The biomedical information collection apparatus according to claim 2; wherein said the non-directional ~~microphone or/and microphones and~~ pressure sensor ~~for detecting and converting an air pressure in each of said closed cabinets into an electric signal uses a closed air type sound sensor~~ sensors are mounted at an end portion of a hose connected to said the closed compartments cabinets.

5. (Currently Amended) A biomedical information collection apparatus according to claim 2; wherein ~~a closed air type sound sensor wherein a microscopic pinhole is provided in each of said~~ the closed compartments cabinets to establish an air leak countermeasure to minimize the an influence upon said the non-directional ~~microphone or/and microphones and~~ pressure sensor ~~for detecting and converting an air pressure into an electric signal~~ sensors.

Claims 6-13 (Canceled).